

CLAIMS**WHAT IS CLAIMED IS:**

1. A laminate comprising at least one layer of a
5 polyester film that has been coated with an
polyallylamine polymeric coating (PRIMER) that is
adjacent to, and in direct contact with, at least one
other polymeric layer comprising a polymer selected
from the group consisting of: PET; PVB; ionoplast
10 resin; polyurethanes; polyvinyl chlorides;
polycarbonates; polyacetals; ethylene acid copolymers
(which are inclusive of ethylene acid terpolymers);
polyolefins, including polyethylenes and
polypropylenes.
- 15 2. The laminate of Claim 1 wherein the PRIMER
has been heated to a temperature above about 190°C and
stretched prior to application to the other polymer.
3. The laminate of Claim 2 wherein the other
polymer in direct contact with the PRIMER is PVB.
- 20 4. The laminate of Claim 2 wherein the other
polymer in direct contact with the PRIMER is an
ionoplast resin.
5. The laminate of Claim 2 wherein the PRIMER is
in direct contact with two of the other polymers,
25 wherein the two other polymers are not the same polymer
type.
6. The laminate of Claim 5 wherein at least one
of the two other polymers in direct contact with the
PRIMER is PET.
- 30 7. The laminate of Claim 6 wherein the other
polymer in direct contact with the PRIMER is PVB.

8. The laminate of Claim 6 wherein the other polymer in direct contact with the PRIMER is an ionoplast resin.

9. The laminate of Claim 5 wherein the two other
5 polymers in direct contact with the PRIMER are PVB and an ionoplast resin.

10. The laminate of Claim 6 wherein the PET in direct contact with the PRIMER comprises on its other surface a polysiloxane abrasion resistant coating
10 (PARC).

11. The laminate of Claim 10 wherein the other polymer in direct contact with the PRIMER is PVB.

12. The laminate of Claim 10 wherein the other polymer in direct contact with the PRIMER is an
15 ionoplast resin.

13. A laminate comprising: (1) a first polymer layer that is in contact with (2) a polyester film that has been coated with an polyallylamine coating (PRIMER), wherein the PRIMER is additionally in direct
20 contact with (3) a second polymer layer, wherein the second polymer is additionally in direct contact with (4) a second PRIMER layer, wherein the second PRIMER is additionally in direct contact with (5) a third polymer layer.

25 14. The laminate of Claim 13 wherein the first, second and third polymers are polymers selected from the group consisting of: PET; PVB; ionoplast resin; polyurethanes; polyvinyl chlorides; polycarbonates; polyacetals; ethylene acid copolymers (which are
30 inclusive of ethylene acid terpolymers); polyolefins, including polyethylenes and polypropylenes, and wherein

the first and third polymers are not the same polymer type as the second polymer.

15. The laminate of Claim 14 wherein the first polymer is PET.

5 16. The laminate of Claim 15 wherein the first and the third polymers are each PET.

17. The laminate of Claim 16 wherein either the first or third polymers further comprises a polysiloxane abrasion resistant coat on the surface
10 that is not in direct contact with the PRIMER.

18. The laminate of Claim 14 wherein the second polymer is PET.

19. The laminate of Claim 18 wherein the first and third polymers are the same polymer type.

15 20. The laminate of Claim 19 wherein the first polymer is an ionoplast resin.

21. The laminate of Claim 19 wherein the third polymer is PVB.

22. The laminate of Claim 14 wherein the first
20 and third polymers are the same, and wherein neither the first or the second polymer is PET.

23. The laminate of Claim 22 wherein the first polymer is PVB.

24. The laminate of Claim 22 wherein the first
25 polymer is an ionoplast resin.

25. The laminate of Claim 14 wherein the first and third polymers are different, and wherein neither the first or the second polymer is PET.

26. A laminate comprising: (1) an ionoplast resin
30 layer that is in direct contact with (2) a polyester film that has been coated with an polyallylamine coating (PRIMER), wherein the PRIMER is additionally in

direct contact with (3) a polyvinyl butyral (PVB) layer, wherein the peel strength is at least 10 lb/inch for the laminate.

27. A process for preparing a laminate comprising
5 the steps of: (1) applying a polyester film having a coating of polyallylamine-based polymer (PRIMER) to at least one surface of a polymer selected from the group consisting of polyethylene terphthalate (PET); polyvinylbutyral (PVB); and ethylene acid copolymer
10 ionomer (ionoplast resin) and (2) contacting the coated polyallylamine coated surface with at least one polymeric layer selected from a polymer in the group consisting of: PET; PVB; ionoplast resin; polyurethanes; polyvinyl chlorides; polycarbonates;
15 polyacetals; ethylene acid copolymers (which are inclusive of ethylene acid terpolymers); polyolefins, including polyethylenes and polypropylenes wherein the PRIMER is applied in-line with the polymer sheet, and wherein the PRIMER has been heated to a temperature
20 above about 170°C and stretched before application to the polymer surface.

28. An article comprising a laminate of Claim 1.

29. The article of Claim 28 wherein the article
is an article selected from articles in the group
25 consisting of: automobiles, windows, display cabinets, trains, airplanes, boats, buildings, stairs, ceilings, walls, and skylights.